

## ABSTRACT OF THE DISCLOSURE

A method of treating patients for compulsive overeating includes stimulating  
5 left and right branches of the patient's vagus nerve simultaneously with electrical pulses in a  
predetermined sequence of a first period in which pulses are applied continuously, alternating  
with a second period in which no pulses are applied. The electrical pulses are preferably  
applied to the vagus nerve at a supradiaphragmatic location.